

STATEMENT OF PROJECT OBJECTIVES

City of Seattle, Washington

Recovery Act: Energy Efficiency and Conservation Block Grant Program

A. PROJECT OBJECTIVES

The City of Seattle proposes to use EECBG funds on programs that conserve electricity and natural gas. Improving energy efficiency is a key strategy of our Climate Action Plan to reduce our greenhouse gas emissions. While our region enjoys access to clean, affordable hydropower; this resource is limited and faces increased growth in demand. Conservation allows us to preserve more of our renewable energy to meet population growth and accommodate new loads (such as transportation electrification) that displace other greenhouse gas emissions. Seattle proposes to use our \$6.1M allocation of EECBG funds to implement new conservation programs and policy initiatives, supplement existing conservation programs, and create new jobs.

The majority of our EECBG funding will be used for project activities that reduce building energy use community-wide. Many of these programs were proposed by the City's Green Building Task Force.

B. PROJECT SCOPE

The scope for this award is the implementation of the EECS and all supporting documentation necessary for the proposed activities. The proposed activities include;

- **Direct Installation Program Management (Residential Pilot Program)**
- **Residential Energy Performance Score**
- **Residential Energy Efficiency Loan Program**
- **Energy Performance Disclosure**
- **Veterans Commercial Lighting Upgrade Program**
- **HomeWise Weatherization Program**
- **Municipal Energy Efficiency Program**
- **Residential LED Streetlights**
- **Electric Trolley-Bus System Improvements**
- **EECBG Administration, Monitoring, & Oversight / EECBG Reporting**

C. ACTIVITIES TO BE PERFORMED**Activity 1: Direct Installation Program Management.**

The City will establish a community-based pilot program to directly install energy-saving compact fluorescent lightbulbs, low-flow showerheads, and faucet aerators in 20,000 homes.

Task 1: Contract Bid & Selection of Program Manager vendor.

Task 2: Educate Utility customers about CFL benefits.

Task 3: Purchase of lightbulbs, low-flow showerheads, and faucet aerators by vendor.

Task 4: Implementation of program – install energy efficient technologies

Activity 2: Residential Energy Performance Score

To support a new single-family residential energy audit pilot program funded by our local utilities (Puget Sound Energy and Seattle City Light), this project will develop a standardized Energy Performance Score (EPS) that evaluates single-family home energy performance and identifies cost-effective efficiency improvements. The EPS tool will be used by the audit pilot program and will become a regional standard for residential energy evaluation.

Task 1: Develop Energy Performance Score tool

Task 2: Provide training to residential auditors re: EPS

Task 3: Develop database of EPS results and create web portal

Task 4: Implement EPS tool in residential audit pilot program.

Activity 3: Residential Energy Efficiency Loan Program.

This program will seed a revolving loan program for residential energy efficiency upgrades. Loans will be made to homeowners to invest in lighting, furnace, water heater, windows, and other efficiency improvements. This program will seek to leverage EECBG funds with other sources of capital and provide a financing mechanism for the improvements identified by our residential energy audit pilot program.

Task 1: RFP process to hire a Community Development Financial Institution. Work with CDFI to attract/manage pool of public/private funds for EE retrofits

Task 2: Develop administration of loan program and create loan loss reserve in accordance with Federal financial assistance regulations that may apply.

Task 3: Educate homeowners about program

Task 4: Implement program and make loans.

Task 5: Loan initial program funds within at least three years and maintain program's existence after the three year EECBG period.

Activity 4: Energy Performance Disclosure.

As an energy efficiency policy, Seattle will promote benchmarking and reporting of the energy performance for commercial and large multifamily buildings. This program will provide more information to the real estate market and highlight the economic incentives for making efficiency investments. EECBG funds will support program start-up costs to establish an internal tracking database and technical assistance to building owners and managers.

Task 1: Pursue voluntary or regulatory programs that promote measurement and verification of energy performance for commercial and large multi-family complexes.

Task 2: Develop a database to track energy performance

Task 3: Develop an outreach, training and technical assistance program. Partner with EPA, BOMA, NEEA, and IFMA.

Activity 5: Commercial Lighting Upgrade Program.

Through Seattle City Light's conservation program, EECBG funds will be used to hire and train staff to identify inefficient lighting fixtures in small to medium-sized commercial businesses and replace them with new efficient fixtures. This project will create green jobs and skilled-trade opportunities in conservation. Seattle City Light will give hiring preference to returning war veterans to participate in this program.

Task 1: Market job opportunities and hire program manager, admin, and field staff for program

Task 2: Train field staff through SCL program

Task 3: Manage program

Activity 6: HomeWise Weatherization Program.

EECBG funds will supplement other low-income weatherization funds to allow for deeper energy-efficiency retrofits. EECBG funds would be used to target low-income multifamily projects where there are significant financial barriers to owners' investment in energy efficiency.

Task 1: Identify eligible projects through HomeWise program.

Task 2: Contract with building owners for implementation of efficiency projects.

Activity 7: Municipal Energy Efficiency Program.

EECBG funds will be used to assess and identify energy efficiency improvements in municipal buildings, and develop a portfolio of the best project opportunities to be funded by City bonds.

EECBG funds would leverage the City's existing resource conservation programs and Seattle City Light's conservation program.

Task 1: Conduct energy audits of City of Seattle facilities.

Task 2: Prepare bond proposal to finance recommended projects.

Task 3: Secure bond sale and deliver projects.

Activity 8: Residential LED Streetlights.

EECBG funds will be used to begin using LED technology in the City's residential streetlight system. LED streetlights will provide an estimated 40% energy savings over existing high-pressure sodium (HPS) streetlights and reduce maintenance costs.

Task 1: Select and purchase LED streetlights.

Task 2: Replace HPS residential streetlights with LED streetlights.

Activity 9: Electric Trolley-bus System Improvements.

In partnership with King County (which operates public transit service in Seattle), EECBG funds will be used to make system improvements to the Seattle trolley-bus network. The improvements will allow greater use of electric trolley-buses on some Seattle routes instead of diesel buses, lowering diesel fuel use, and reducing greenhouse-gas and diesel-particulate emissions.

Task 1: Subgrant funds to King County Metro for project implementation.

Activity 10: EECBG Administration.

The City of Seattle proposes using a portion of the EECBG funds to administer, monitor, oversee the EECBG activities.

Task 1: Manage EECBG Activities and implement Seattle's Energy Efficiency and Conservation Strategy.

Task 2: Provide reports and deliverables to DOE in accordance with the Federal Assistance Reporting Checklist.